

**Commonwealth of Kentucky
Division for Air Quality**

PERMIT APPLICATION SUMMARY FORM

Completed by: Sajjad Quabili

GENERAL INFORMATION:

Name: Eagle Industries Inc.
Address: 601 Double Springs Road, KY 42101
Date application received: 1/19/2005
SIC/Source description: 2511
AFS # 21-227-00096
A. I. #: 4107
Activity #: APE20050001
Permit number: V-05-013

APPLICATION TYPE/PERMIT ACTIVITY:

- | | |
|--|---|
| <input type="checkbox"/> Initial issuance | <input type="checkbox"/> General permit |
| <input type="checkbox"/> Permit modification | <input type="checkbox"/> Conditional major |
| __Administrative | <input checked="" type="checkbox"/> Title V |
| __Minor | <input checked="" type="checkbox"/> Synthetic minor |
| __Significant | <input checked="" type="checkbox"/> Operating |
| <input checked="" type="checkbox"/> Permit renewal | <input type="checkbox"/> Construction/operating |

COMPLIANCE SUMMARY:

- | | |
|--|---|
| <input type="checkbox"/> Source is out of compliance | <input type="checkbox"/> Compliance schedule included |
| <input type="checkbox"/> Compliance certification signed | |

APPLICABLE REQUIREMENTS LIST:

- | | | |
|------------------------------|---|---|
| <input type="checkbox"/> NSR | <input type="checkbox"/> NSPS | <input checked="" type="checkbox"/> SIP |
| <input type="checkbox"/> PSD | <input checked="" type="checkbox"/> NESHAPS | <input type="checkbox"/> Other |

MISCELLANEOUS:

- ☐ Acid rain source
- ☐ Source subject to 112(r)
- ☐ Source applied for federally enforceable emissions cap
- ☐ Source provided terms for alternative operating scenarios
- ☒ Source subject to a MACT standard
- ☐ Source requested case-by-case 112(g) or (j) determination
- ☐ Application proposes new control technology
- ☒ Certified by responsible official
- ☒ Diagrams or drawings included
- ☐ Confidential business information (CBI) submitted in application
- ☐ Pollution Prevention Measures
- ☐ Area is non-attainment (list pollutants):

EMISSIONS SUMMARY:

Pollutant	Actual (tpy)	Potential (tpy)
PM	9.077	25.83
SO2	0.001	0.01
Nox	0.208	1.564
CO	0.174	1.313
VOC	205.72	225 (for EP #1)* 225 (for EP #2 & 3)
HAPs (worst case)		
Ethylbenzene	0.627	8.4
Toluene	15.268	24.03
Xylene	4.697	25.13
Methanol	1.312	1.312
Glycol ether	23.098	23.098
Methyl isobutyl ketone	1.637	1.637
Methyl ethyl ketone	2.22	2.22

* VOC emission cap for EP #1 is less than 225 tons/year
VOC emission cap for EP #2 and 3 is less than 225 tons/year

Source Process Description

Eagle Industries Inc. operates a wood furniture manufacturing plant at Bowling Green. The source applied for the renewal of their Title V/Synthetic Minor permit. The plant is classified as a Title V major source due to its emissions of [criteria and hazardous air pollutants](#).

APPLICABLE REGULATIONS:

- The facility is subject to the following regulations for their wood manufacturing operations:
- A. 40 CFR 63 Subpart JJ, National Emission Standards for Wood Furniture Manufacturing Operations, applicable to an affected facility that is engaged, either in part or in whole, in the manufacture of wood furniture components and that is located at a plant site that is a major source as defined in 40 CFR part 63.2 (Compliance date: December 7, 1998).
- B. 401 KAR 59:010, New process Operations, applicable to each affected facility or source, associated with a process operation, which is not subject to another emission standard with respect to particulate, commenced on or after July 2, 1975.

C. 401KAR 50:012 Section 1(2) General Application of Administrative Regulations and Standards. In the absence of a standard specified in 401 KAR 50 to 65, administrative regulations, all major air contaminant sources shall as a minimum apply control procedures that are reasonable, available, and practical.

D. 401 KAR 63:020; Potentially hazardous matter or toxic substances, applicable to each affected facility (s) which emits or may emit potentially hazardous matter or toxic substances.

E. The requirement for compliance assurance monitoring (40 CFR 64) is applicable to pollutant-specific emission unit (PESU) must meet following three applicability criteria:

1. Is located in a major source, and
2. Is subject to emission limitations and has a control device to meet that limit, and
3. Has pre-control emissions greater than major source threshold (> 100 ton per year for criteria pollutants).

Eagle Industries has no above mentioned pollutant specific emission unit. Therefore, CAM is not applicable to Eagle Industries.